

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
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| S1 | 341 | ("2876769" "2935068" "20020111577" "20020169413" "20020188166" "20020188167" "20030069468" "20030083617" "20030144628" "3017885" "3592184" "3692018" "3835864" "3885251" "3939820" "3964479" "4004299" "4034742" "4047849" "4051840" "4077394" "4080958" "4135496" "4143616" "4154227" "4167046" "4240409" "4302854" "4384829" "4405313" "4407271" "4457673" "4459977" "4522195" "4540402" "4546759" "4552522" "4569332" "4573997" "4611578" "4625712" "4643712" "4666443" "4685446" "4688996" "4690134" "4692141" "4697574" "4719921" "4756302" "4759760" "4771765" "4822357" "4838889" "4861330" "4872874" "4883462" "4895150" "4902272" "4902273" "4906229" "4908012" "4927407" "4944745" "4957504" "4968293" "4976270" "4983165" "4994078" "4995856" "4995857" "5020516" "5059167" "5069662" "5087247" "5089017" "5092844" "5098370" "5116564" "5129878" "5129883" "5131905" "5133744" "5147281" "5147388" "5169378" "5169379" "5171207" "5176619" "5211659" "5263978" "5267940" "5273518" "5290227" "5300113" "5318518" "5332403" "5346458" "5352180" "5374239" "5376113" "5378230" "5403291" "5413549" "5429584" "5433706" "5433731" "5437601" "5453076" "5453087" "5472417" "5486159" "5503615" "5505710" "5511958" "5514073" "5522800" "5533958" "5536250" "5542937" "5554136" "5556390" "5562595" "5571093" "5584804" "5746575" "5749855" "5776111" "5785686" "5795326" "5807311" "5824070" "5851174" "5868703" "5911685" "5941813" "5947953" "5961486" "5964694" "6059760" "6083198" "6085754" "6135981" "6183411" "6190408" "6200260" "6221103" "6224540" "6228052" "6245045" "6287608" "6299575" "6387037" "6390969" "6428464" "6475187" "6488662" "6558356" "6592567" "6610004" "6685621").PN. | US-PGPUB; USPAT; USOCR; | AND | ON | 2007/08/30 09:43 |
| S2 | 31 | ("1566061" "3030953" "3565074" "4129129" "4248224" "4301797").PN. OR ("4643712").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/08/31 10:31 |

EAST Search History

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| S3 | 54 | ("0883583" "2474665" "3833003" "4134402" "4299217" "4405313").PN. OR ("4540402").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/08/31 09:17 |
| S4 | 2 | ("20070076123").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/31 05:44 |
| S5 | 6 | (("5000734") or ("5286234") or ("5902268")).PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/31 09:17 |

EAST Search History

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| S6 | 296 | (US-20020188167-\$ or US-20050131385-\$ or US-20050277804-\$ or US-20060161095-\$ or US-20060264689-\$ or US-20060264693-\$ or US-20060264694-\$ or US-20060264797-\$ or US-20060264798-\$ or US-20060270890-\$ or US-20060270964-\$ or US-20060270965-\$ or US-20030009237-\$ or US-20040167427-\$ or US-20010007058-\$ or US-20010038807-\$ or US-20020040717-\$ or US-20020111577-\$ or US-20020188166-\$ or US-20040006330-\$ or US-20040138519-\$ or US-20040138608-\$ or US-20040147864-\$ or US-20050113631-\$ or US-20050113799-\$ or US-20050209546-\$).did. or (US-20050209573-\$ or US-20050277803-\$ or US-20050277870-\$ or US-20060264800-\$ or US-20060264801-\$ or US-20060270891-\$ or US-20060270895-\$ or US-20060270963-\$ or US-20060270966-\$ or US-20060270988-\$ or US-20060276682-\$ or US-20070083157-\$ or US-20010053895-\$).did. or (US-5041098-\$ or US-5334141-\$ or US-7022100-\$ or US-5273540-\$ or US-5356375-\$ or US-5800383-\$ or US-5830180-\$ or US-5885251-\$ or US-6024720-\$ or US-6719803-\$ or US-5701905-\$ or US-6120492-\$ or US-4464177-\$ or US-4487605-\$ or US-6027480-\$ or US-6033393-\$ or US-6050978-\$ or US-6258120-\$ or US-6273871-\$ or US-6296832-\$ or US-6306365-\$ or US-6491039-\$ or US-6555057-\$ or US-6558354-\$ or US-6736790-\$ or US-6761700-\$).did. or (US-6786218-\$ or US-6821263-\$ or US-6929631-\$ or US-7048680-\$ or US-5370609-\$ or US-5785675-\$ or US-5792141-\$ or US-5186713-\$ or US-5903211-\$ or US-4387879-\$ or US-4596549-\$ or US-5277311-\$ or IIC_EE720E1.d or IIC_E112E36.d or | US-PGPUB; USPAT | AND | ON | 2007/08/31 09:21 |
| 8/31/2007 12:25:05 PM C:\Documents and Settings\koharski\My Documents\EAST\Workspaces\10-735413.wsp | | | | | | Page 3 |

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| S7 | 8 | (("5000734") or ("5286234") or ("5902268") or ("3995617")).PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/31 09:21 |
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| S8 | 296 | (US-20020188167-\$ or US-20050131385-\$ or US-20050277804-\$ or US-20060161095-\$ or US-20060264689-\$ or US-20060264693-\$ or US-20060264694-\$ or US-20060264797-\$ or US-20060264798-\$ or US-20060270890-\$ or US-20060270964-\$ or US-20060270965-\$ or US-20030009237-\$ or US-20040167427-\$ or US-20010007058-\$ or US-20010038807-\$ or US-20020040717-\$ or US-20020111577-\$ or US-20020188166-\$ or US-20040006330-\$ or US-20040138519-\$ or US-20040138608-\$ or US-20040147864-\$ or US-20050113631-\$ or US-20050113799-\$ or US-20050209546-\$).did. or (US-20050209573-\$ or US-20050277803-\$ or US-20050277870-\$ or US-20060264800-\$ or US-20060264801-\$ or US-20060270891-\$ or US-20060270895-\$ or US-20060270963-\$ or US-20060270966-\$ or US-20060270988-\$ or US-20060276682-\$ or US-20070083157-\$ or US-20010053895-\$).did. or (US-5041098-\$ or US-5334141-\$ or US-7022100-\$ or US-5273540-\$ or US-5356375-\$ or US-5800383-\$ or US-5830180-\$ or US-5885251-\$ or US-6024720-\$ or US-6719803-\$ or US-5701905-\$ or US-6120492-\$ or US-4464177-\$ or US-4487605-\$ or US-6027480-\$ or US-6033393-\$ or US-6050978-\$ or US-6258120-\$ or US-6273871-\$ or US-6296832-\$ or US-6306365-\$ or US-6491039-\$ or US-6555057-\$ or US-6558354-\$ or US-6736790-\$ or US-6761700-\$).did. or (US-6786218-\$ or US-6821263-\$ or US-6929631-\$ or US-7048680-\$ or US-5370609-\$ or US-5785675-\$ or US-5792141-\$ or US-5186713-\$ or US-5903211-\$ or US-4387879-\$ or US-4596549-\$ or US-5277311-\$ or US-5602051-\$ or US-6112526-\$ or | US-PGPUB; USPAT | AND | ON | 2007/08/31 09:22 |
| 8/31/2007 12:25:05 PM | C:\Documents and Settings\koratarki\My Documents\EAST\Workspaces\10-735413.wsp | | | | | Page 5 |

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| S9 | 6 | ("5000734") or ("5286234") or ("5902268").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/31 09:27 |
| S10 | 112 | (604/103.05).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/31 09:27 |
| S11 | 176 | 604/103.05 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/08/31 09:28 |
| S12 | 134 | "5000734" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/08/31 09:29 |
| S13 | 134 | "5000734" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/08/31 09:29 |
| S14 | 2 | ("5000734").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/31 09:30 |
| S15 | 260 | 604/103.07 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/08/31 09:32 |

EAST Search History

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| S16 | 44 | ("20020013569" "20020013569" "20020234" "4445892" "4771777" "5163905" "5195969" "5370685" "5460610" "5462529" "5545135" "5674198" "5738652" "5814016" "5840081" "5855601" "6090096" "6168624" "6168624" "6210365" "6299597" "6673040" "7189250").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | AND | ON | 2007/08/31 09:32 |
| S17 | 68 | ("4385631" "4610662" "4637389" "4708717" "4790315" "4877031" "4909252" "4919651" "4924863" "4976690" "5090960").PN. OR ("5163905").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/08/31 09:36 |
| S18 | 260 | 604/101.05 | US-PGPUB; USPAT; USOCR | AND | ON | 2007/08/31 09:36 |
| S19 | 2 | ("4351342" "4813935").PN. OR ("6837868").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/08/31 09:40 |
| S20 | 8 | (("4643712") or ("4983165") or ("5433706") or ("6475187")).PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/31 09:40 |
| S21 | 73 | ("3889686" "4183102" "4233983" "4423725" "4447227" "4581017" "4585000" "4641653" "4694827" "4723549" "4762130" "4763653" "4771777" "4787388" "4790315" "4795427" "4820271" "4832028" "4857054" "4877031" "4878495" "4892519" "4909252" "4958634" "4983165" "4983167" "5000734" "5000743" "5006119" "5019042" "5035694" "5046503" "5078685" "5087247" "5090958" "5090960" "5108370" "5129883" "5135474" "5137513" "5147377" "5152277" "5160321" "5181911" "5195955" "5195971" "5222941" "5226888" "5232446" "5261879").PN. OR ("5433706").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/08/31 09:40 |

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| S22 | 93 | ("4581017" "4601713" "4762129" "4771777" "4790315" "4819751" "4850969" "4909252" "4909781" "4944745" "4983167" "4988356" "4994033" "5040548" "5046503" "5049131" "5061273" "5078685" "5102403" "5108370" "5116318" "5135535" "5147377" "5154725" "5156594" "5158540" "5171222" "5180367" "5205822" "5232445" "5267958" "5284473" "5295959" "5295995" "5308356" "5318535" "5324269" "5336184" "5342297" "5346505" "5370617" "5378237" "5383856" "5383890" "5395333" "5395353" "5403274" "5409458" "5411478" "5425709" "5425714" "5433706" "5470314" "5472425" "5484411" "5484412" "5489271" "B14581017").PN. OR ("6007517").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/08/31 09:41 |
| S23 | 90 | ("3726273" "3834394" "4066070" "4183102" "4224929" "4423725" "4573966" "4581017" "4744366" "4762130" "4763654" "4787388" "4934786" "4944745" "4958634" "4983167" "4990139" "5000734" "5002531" "5019042" "5071406" "5090958" "5108370" "5129883" "5135484" "5147377" "5152277" "5160321" "5167628" "5179961" "5226888" "5308356").PN. OR ("5395333").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/08/31 09:42 |
| S24 | 17 | ("4183102" "4546759" "4581017" "4762130" "4909252" "5002532" "5003989" "5019042" "5395333" "5415635" "5613948" "5716340" "5951514" "6022359" "6126634" "6146358" "6193686").PN. OR ("6776771").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/08/31 09:42 |

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| S25 | 89 | ("2930377" "3045677" "3173418" "3448739" "3834394" "3889686" "4029104" "4040413" "4224929" "4233983" "4323071" "4328056" "4329993" "4338930" "4403612" "4423725" "4423728" "4445892" "4447227" "4461280" "4467790" "4527549" "4546759" "4547193" "4563181" "4564014" "4573966" "4581017" "4608984" "4610662" "4644936" "4689040" "4737153" "4738666" "4744366" "4762129" "4763654" "4771777" "4784639" "4785815" "4808155" "4822345" "4824435" "4826480" "4842589" "4877031" "4892519" "4909252" "4932413" "4950239" "4960411" "4976690" "4983167" "4988356" "5000734" "5000743" "5002531" "5019042" "5046503" "5071406" "5087247" "5090958" "5090960" "5092873" "5137513" "5147377" "5160321" "5163906" "5169395" "5226889" "5320605" "5370617" "5395333" "5417653" "5716340"). PN. OR ("5951514").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/08/31 09:42 |
| S26 | 89 | ("2930377" "3045677" "3173418" "3448739" "3834394" "3889686" "4029104" "4040413" "4224929" "4233983" "4323071" "4328056" "4329993" "4338930" "4403612" "4423725" "4423728" "4445892" "4447227" "4461280" "4467790" "4527549" "4546759" "4547193" "4563181" "4564014" "4573966" "4581017" "4608984" "4610662" "4644936" "4689040" "4737153" "4738666" "4744366" "4762129" "4763654" "4771777" "4784639" "4785815" "4808155" "4822345" "4824435" "4826480" "4842589" "4877031" "4892519" "4909252" "4932413" "4950239" "4960411" "4976690" "4983167" "4988356" "5000734" "5000743" "5002531" "5019042" "5046503" "5071406" "5087247" "5090958" "5090960" "5092873" "5137513" "5147377" "5160321" "5163906" "5169395" "5226889" "5320605" "5370617" "5395333" "5417653" "5716340"). PN. OR ("5951514").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/08/31 09:42 |

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| S27 | 142 | ("3731692" "3833004" "4141364" "4183102" "4198981" "4403612" "4585000" "4762129").PN. OR ("5002531").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/08/31 09:45 |
| S28 | 43 | ("4066070" "4934786").PN. OR ("4983165").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/08/31 09:58 |
| S29 | 307 | 604/544 | US-PGPUB; USPAT; USOCR | AND | ON | 2007/08/31 09:58 |
| S30 | 3 | ("5007897" "5211664" "5575815").PN. OR ("6939381").URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/08/31 10:02 |
| S31 | 166 | 604/101.02 | US-PGPUB; USPAT; USOCR | AND | ON | 2007/08/31 10:03 |
| S32 | 2 | ("5000734").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/31 10:03 |
| S33 | 2 | ("5286234").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/31 10:04 |
| S34 | 2 | ("5902268").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/31 10:04 |
| S35 | 193 | (604/101.01).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/31 10:06 |

EAST Search History

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| S37 | 1246 | (606/192).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/31 10:08 |
| S38 | 1439 | (604/96.01).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/31 10:08 |
| S39 | 19 | ("4245639" "4248235" "4327720" "5193533" "5275610" "5383856" "5437638" "5441485" "5501669" "5505702" "5522790" "5613950" "5669879" "5713853" "5776047" "6027519").PN. OR ("6283940"). URPN. | US-PGPUB; USPAT; USOCR | AND | ON | 2007/08/31 10:23 |
| S40 | 407 | 604/164.08 | US-PGPUB; USPAT; USOCR | AND | ON | 2007/08/31 10:25 |
| S41 | 18 | "500734" | US-PGPUB; USPAT; USOCR | AND | ON | 2007/08/31 12:20 |
| S42 | 2 | ("5000734").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/31 10:26 |
| S43 | 2 | ("5286234").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/31 10:26 |

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| S44 | 30 | (604/912).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/31 10:26 |
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| S46 | 187 | (604/103.01).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/31 10:34 |
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| S51 | 2 | ("5000734").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2007/08/31 11:26 |
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